

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: May 9, 2002, 03:11:18 ; Search time 62:02 Seconds
(without alignments)
126.969 Million cell updates/sec

Title: US-09-301-507-74

Perfect score: 336
Sequence: 1 CGCGCAGTCCTTCTTCTATGC.....CCCGTTGCTTCCCAACCA 336

Scoring table: OLIGO_NUC
Gapop 60.0, Gapext 60.0

Searched: 351203 seqs, 113238999 residues

Word size : 0

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database : Issued_Patents.NA.*

1: /cgn2_6/pdata/1/lna/5A.COMB.seq:*
2: /cgn2_6/pdata/1/lna/5B.COMB.seq:*
3: /cgn2_6/pdata/1/lna/6A.COMB.seq:*
4: /cgn2_6/pdata/1/lna/6B.COMB.seq:*
5: /cgn2_6/pdata/1/lna/PCROS.COMB.seq:*
6: /cgn2_6/pdata/1/lna/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	20	6.0	1976	3	US-09-165-042-2
2	16	4.8	1235	1	US-08-095-726-13
3	16	4.8	1235	1	US-08-095-726-15
4	16	4.8	1235	1	US-08-096-623A-13
5	16	4.8	1235	1	US-08-096-623A-15
6	16	4.8	5737	1	US-08-259-264-1
7	16	4.8	10095	4	US-08-822-586-45
8	15	4.5	488	3	US-09-385-982-471
9	15	4.5	1120	1	US-08-203-806B-3
10	15	4.5	1128	3	US-09-106-217-15
11	15	4.5	1134	3	US-09-106-217-1
12	15	4.5	1350	3	US-08-462-351-1
13	15	4.5	1350	6	5468481-2
14	15	4.5	1356	2	5194425-2
15	15	4.5	1488	2	US-08-812-203-4
16	15	4.5	1488	4	US-09-300-864-4
17	15	4.5	1728	3	US-08-379-802-1
18	15	4.5	1728	3	US-09-048-129-1
19	15	4.5	1728	4	US-09-048-129-1
20	15	4.5	1839	4	US-08-442-248-3
21	15	4.5	1839	1	US-08-440-815-3
22	15	4.5	1839	4	US-08-486-449-3
23	15	4.5	1881	3	US-09-235-246-2
24	15	4.5	2022	1	US-08-803-973-6
25	15	4.5	2022	1	US-08-803-972-6
26	15	4.5	2065	3	US-08-335-865J-8
27	15	4.5	2124	1	US-08-803-973-11

c	28	15	4.5	2124	1	US-08-803-972-11	Sequence 11, Appl
	29	15	4.5	3336	3	US-09-330-970-4	Sequence 4, Appl
	30	15	4.5	3697	1	US-08-571-758-1	Sequence 1, Appl
	31	15	4.5	3697	1	US-08-909-984A-1	Sequence 1, Appl
	32	15	4.5	3697	1	US-08-909-983-1	Sequence 1, Appl
	33	15	4.5	4371	1	US-08-803-973-1	Sequence 1, Appl
	34	15	4.5	4371	1	US-08-803-972-1	Sequence 1, Appl
	35	15	4.5	43795	3	US-08-742-185-101	Sequence 101, App
	36	15	4.5	4403165	4	US-09-103-840A-2	Sequence 2, Appl
	37	15	4.5	4411529	4	US-09-103-840A-1	Sequence 1, Appl
	38	14	4.2	4411529	4	US-08-484-686B-60	Sequence 60, Appl
	39	14	4.2	37	4	US-08-463-160B-60	Sequence 60, Appl
	40	14	4.2	37	5	PCT-US91-02568-18	Sequence 18, Appl
	41	14	4.2	297	4	US-09-060-756-574	Sequence 574, App
c	42	14	4.2	309	1	US-08-086-410-24	Sequence 24, Appl
c	43	14	4.2	330	5	PCT-US95-08596-1	Sequence 1, Appl
c	44	14	4.2	356	4	US-09-060-756-396	Sequence 396, App
c	45	14	4.2	359	3	US-08-589-028-3	Sequence 3, Appl

ALIGNMENTS

```
RESULT 1
US-09-165-042-2
; Sequence 2, Application US/09165042
; Patent No. 6100077
; GENERAL INFORMATION:
; APPLICANT: Sturley, Stephen L.
; APPLICANT: Oelkers, Peter
; TITLE OF INVENTION: ISOLATION OF A GENE ENCODING DIACYLGLYCEROL
; FILE REFERENCE: 0575/56331
; CURRENT APPLICATION NUMBER: US/09/165,042
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1976
; TYPE: DNA
; ORGANISM: Yeast
US-09-165-042-2

Query Match      6.0%; Score 20; DB 3; Length 1976;
Best Local Similarity 100.0%; Pred. No. 0.022;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 CTCCTGCTGGCGCTGATG 41
DB 823 CTCCTGCTGGCGCTGATG 842

RESULT 2
US-08-095-726-13
; Sequence 13, Application US/08095726
; Patent No. 5530188
; GENERAL INFORMATION:
; APPLICANT: Auslich, Rodney L
; APPLICANT: Brinkhaus, Friedhelm L
; APPLICANT: Mukharji, Indrani
; APPLICANT: Profitilt, John H
; APPLICANT: Yarger, James B
; APPLICANT: Yen, Huel-Che B
; TITLE OF INVENTION: Beta-Carotene Biosynthesis in
; TITLE OF INVENTION: Genetically Engineered Hosts
; NUMBER OF SEQUENCES: 79
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Amoco Corp., Patents and Licensing Dept
; STREET: 200 E Randolph St
; CITY: Chicago
; STATE: IL
; COUNTRY: USA
```

ZIP: 60680-0703
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.24
 APPLICATION NUMBER: US/08/095,726
 FILING DATE: 21-JUL-1993
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/785,566
 FILING DATE: 30-OCT-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Galloway, No. 5530188val B
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 3128567180
 TELEFAX: 3128564972
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1235 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-095-726-13

Query Match 4.8%; Score 16; DB 1; Length 1235;
 Best Local Similarity 100.0%; Pred. No. 5;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 125 TCTATCAGCTCACC CG 140
 Db 897 TCTATCAGCTCACC CG 912

RESULT 3
 US-08-095-726-15
 Sequence 15, Application US/08095726
 Patent No. 5530188
 GENERAL INFORMATION:
 APPLICANT: Ausich, Rodney L.
 APPLICANT: Brinkhaus, Friedhelm L.
 APPLICANT: Mukharji, Indrani
 APPLICANT: Proffitt, John H.
 APPLICANT: Yarger, James G.
 APPLICANT: Yen, Huel-Che B.
 TITLE OF INVENTION: Beta-Carotene Biosynthesis in
 NUMBER OF SEQUENCES: 79
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Amoco Corp., Patents and Licensing Dept
 STREET: 200 E Randolph St
 CITY: Chicago
 STATE: IL
 COUNTRY: USA
 ZIP: 60680-0703
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.24
 APPLICATION NUMBER: US/08/095,726
 FILING DATE: 21-JUL-1993
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/785,566
 FILING DATE: 30-OCT-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Galloway, No. 5530188val B
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 3128567180
 TELEFAX: 3128564972
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1235 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-095-726-15

Query Match 4.8%; Score 16; DB 1; Length 1235;
 Best Local Similarity 100.0%; Pred. No. 5;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 125 TCTATCAGCTCACC CG 140
 Db 897 TCTATCAGCTCACC CG 912

RESULT 4
 US-08-096-623A-13
 Sequence 13, Application US/08096623A
 Patent No. 5684238
 GENERAL INFORMATION:
 APPLICANT: Ausich, Rodney L.
 APPLICANT: Brinkhaus, Friedhelm L.
 APPLICANT: Mukharji, Indrani
 APPLICANT: Proffitt, John H.
 APPLICANT: Yarger, James G.
 APPLICANT: Yen, Huel-Che B.
 TITLE OF INVENTION: Biosynthesis of Zeaxanthin and
 NUMBER OF SEQUENCES: 104
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Welsh & Katz, Ltd.
 STREET: 120 S. Riverside Plaza, 22nd Floor
 CITY: Chicago
 STATE: IL
 COUNTRY: USA
 ZIP: 60606
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 APPLICATION NUMBER: US/08/096,623A
 FILING DATE: 22-JUL-1993
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/805,061
 FILING DATE: 09-DEC-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/662,921
 FILING DATE: 28-FEB-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/562,674
 FILING DATE: 03-AUG-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/525,551
 FILING DATE: 18-MAY-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/487,613
 FILING DATE: 02-MAR-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Gamson, Edward P.
 REGISTRATION NUMBER: 29,381
 REFERENCE/DOCKET NUMBER: AMO-006.1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (312) 655-1500
 TELEFAX: (312) 655-1501

INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 1235 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
POSITION IN GENOME:
MAP POSITION: -19 to 1216
UNITS: bp
US-08-096-623A-13

Query Match 4.8%; Score 16; DB 1; Length 1235;
Best Local Similarity 100.0%; Pred. No. 5;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 125 TCTATCAGCTCACC CG 140
|||||
DB 897 TCTATCAGCTCACC CG 912

RESULT 5

US-08-096-623A-15
Sequence 15, Application US/08096623A
Patent No. 5684238

GENERAL INFORMATION:

APPLICANT: Ausich, Rodney L.
APPLICANT: Brinkhaus, Friedhelm L.
APPLICANT: Mukharji, Indrani
APPLICANT: Proffitt, John H.
APPLICANT: Yarger, James G.
APPLICANT: Yen, Huel-Che B.
TITLE OF INVENTION: Biosynthesis of Zeaxanthin and
TITLE OF INVENTION: Glycosylated Zeaxanthin in Genetically Engineered Hosts
NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSEE: Welsh & Katz, Ltd.
STREET: 120 S. Riverside Plaza, 22nd Floor
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/096,623A
FILING DATE: 22-JUL-1993
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/805,061
FILING DATE: 09-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/662,921
FILING DATE: 28-FEB-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/562,674
FILING DATE: 03-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/525,551
FILING DATE: 18-MAY-1990
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/487,613

FILING DATE: 02-MAR-1990
ATTORNEY/AGENT INFORMATION:

NAME: Gamson, Edward P.

REGISTRATION NUMBER: 29,381

REFERENCE/DOCKET NUMBER: AMO-006.1

TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 655-1500

TELEFAX: (312) 655-1501
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 1235 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
POSITION IN GENOME:
MAP POSITION: -19 to 1216
UNITS: bp
US-08-096-623A-15

Query Match 4.8%; Score 16; DB 1; Length 1235;
Best Local Similarity 100.0%; Pred. No. 5;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 125 TCTATCAGCTCACC CG 140
|||||
DB 897 TCTATCAGCTCACC CG 912

RESULT 6

US-08-259-264-1/C
Sequence 1, Application US/08259264
Patent No. 5650293

GENERAL INFORMATION:

APPLICANT: White, Mgris F.
TITLE OF INVENTION: PP60PIK: A DOWNSTREAM ELEMENT IN INSULIN SIGNALING
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHVE & COCKFIELD
STREET: 60 STATE STREET, SUITE 510
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/259,264
FILING DATE: 10-JUN-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Myers, Louis

REGISTRATION NUMBER: 35,965

REFERENCE/DOCKET NUMBER: JDP-021

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-7400

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 5737 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA

FEATURE:
NAME/KEY: CDS
LOCATION: 1388..2749
US-08-259-264-1

Query Match 4.8%; Score 16; DB 1; Length 5737;

Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 ATGCTCCCTGCTGG 32
|||||

Db 374 ATGCTCTCCCTGCTG 359

RESULT 7
US-08-822-586-45
; Sequence 45, Application US/08822586
; Patent No. 6015890
; GENERAL INFORMATION:
; APPLICANT: WILLIAM R. JACOBS, JR., JAMES M. MUSSER AND
; APPLICANT: AMALIO TELENTO
; TITLE OF INVENTION: AN EMCAH OPERON OF MYCOBACTERIA AND
; TITLE OF INVENTION: MUTANTS THEREOF
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: AMSTER, ROTHSTEIN & EBENSTEIN
; STREET: 90 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10016

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH 1.44 MB STORAGE
MEDIUM TYPE: DISKETTE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/822,586
FILING DATE: MARCH 20, 1997
ATTORNEY/AGENT INFORMATION:
NAME: ELIZABETH A. BOGOSIAN
REGISTRATION NUMBER: 39,911
REFERENCE/DOCKET NUMBER: 96700/437
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 697-5595
TELEFAX: (212) 286-0854 or 286-0082
TELEX: TWX 710-581-4766
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 10095
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
HYPOTHEICAL: NO
US-08-822-586-45

Query Match 4.8%; Score 16; DB 3; Length 10095;
Best Local Similarity 100.0%; Pred. No. 5.8;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 CCTGCTGGCGCTGATG 40
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Db 7803 CCTGCTGGCGCTGATG 7818

RESULT 8
US-09-385-982-471
; Sequence 471, Application US/09385982
; Patent No. 6262334
; GENERAL INFORMATION:
; APPLICANT: ENDEGE, WILSON O., ET AL.
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCNDA-260XX
; CURRENT APPLICATION NUMBER: US/09/385,982
; CURRENT FILING DATE: 1999-08-30
; EARLIER APPLICATION NUMBER: 09/328,111
; EARLIER FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: 60/117,393
; EARLIER FILING DATE: 1999-01-27
; EARLIER APPLICATION NUMBER: 60/098,639

EARLIER FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 544
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 488
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(488)
; OTHER INFORMATION: n = A,T,C or G
US-09-385-982-471

Query Match 4.5%; Score 15; DB 4; Length 488;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 101 GCATGAGGACCACT 115
|||||

Db 346 gcataggagcacact 360

RESULT 9
US-08-203-806B-3/C
; Sequence 3, Application US/08203806B
; Patent No. 5714575
; GENERAL INFORMATION:
; APPLICANT: Inouye, Masayori
; APPLICANT: Jones, Pamela
; APPLICANT: Etchegaray, Jean-Pierre
; APPLICANT: Weinig, Jian
; APPLICANT: Pollitt, N. Stephen
; APPLICANT: Goldstein, Joel
; TITLE OF INVENTION: Nucleic Acid Sequences, Stress-induced
; TITLE OF INVENTION: Proteins and Uses Thereof
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Weiser & Associates
; STREET: 230 South Fifteenth Street, Suite 500
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19102

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/203,806B
FILING DATE: 01-MAR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Weiser, Gerard J.
REGISTRATION NUMBER: 19,763
REFERENCE/DOCKET NUMBER: 377,5998P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-875-8383
TELEFAX: 215-875-8394
TELEX: 834809 WEISTAK

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1120 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 686..895
US-08-203-806B-3

Query Match 4.5%; Score 15; DB 1; Length 1120;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 99 CTCGATGAGGCACCA 113
|||||

Db 622 CTCGATGAGGCACCA 608

RESULT 10
US-09-106-217-15
; Sequence 15, Application US/09106217
; Patent No. 6063576
; GENERAL INFORMATION:
; APPLICANT: Keating, Mark T.
; APPLICANT: Olson, Timothy M.
; TITLE OF INVENTION: Actin Mutations in Dilated
; TITLE OF INVENTION: Cardiomyopathy, a Heritable Form of Heart Failure
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.
; STREET: 555 Thirteenth Street, N.W., Suite 701 East
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/106,217
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Saxe, Stephen A.
; REGISTRATION NUMBER: 38,609
; REFERENCE/DOCKET NUMBER: 2323-125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-783-6040
; TELEFAX: 202-783-6031
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1128 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1125
; US-09-106-217-15

Query Match 4.5%; Score 15; DB 3; Length 1128;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 105 GAGCACCACATATGT 119
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Db 902 GAGCACCACATATGT 916

RESULT 11
US-09-106-217-1
; Sequence 1, Application US/09106217

Patent No. 6063576
; GENERAL INFORMATION:
; APPLICANT: Keating, Mark T.
; APPLICANT: Olson, Timothy M.
; TITLE OF INVENTION: Actin Mutations in Dilated
; TITLE OF INVENTION: Cardiomyopathy, a Heritable Form of Heart Failure
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.
; STREET: 555 Thirteenth Street, N.W., Suite 701 East
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/106,217
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Saxe, Stephen A.
; REGISTRATION NUMBER: 38,609
; REFERENCE/DOCKET NUMBER: 2323-125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-783-6031
; TELEFAX: 202-783-6040
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1134 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1131
; US-09-106-217-1

Query Match 4.5%; Score 15; DB 3; Length 1134;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 105 GAGCACCACATATGT 119
|||||

Db 908 GAGCACCACATATGT 922

RESULT 12
US-08-462-351-1/c
; Sequence 1, Application US/08462351
; Patent No. 6106840
; GENERAL INFORMATION:
; APPLICANT: Sharma, Somesh D.
; APPLICANT: Clark, Brian R.
; APPLICANT: Lerch, Bernard L.
; TITLE OF INVENTION: MHC Conjugates Useful in Ameliorating
; TITLE OF INVENTION: Autoimmunity
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California

COUNTRY: USA
ZIP: 94111-3634
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,351
FILING DATE: 05-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/210,594
FILING DATE: 23-JUN-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/576,084
FILING DATE: 30-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/690,840
FILING DATE: 23-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/869,293
FILING DATE: 14-APR-1992
ATTORNEY/AGENT INFORMATION:
NAME: Parent, Annette S.
REGISTRATION NUMBER: 42,058
REFERENCE/DOCKET NUMBER: 014058-000242US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1350 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: mRNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1350
OTHER INFORMATION:
OTHER INFORMATION: alpha subunit"
US-08-462-351-1

Query Match
Best Local Similarity 4.5%; Score 15; DB 3; Length 1350;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 49 AGACAGCAAAACGGA 63
|||||
DB 792 AGACAGCAAAACGGA 778

RESULT 13
5468481-2/c
PATENT NO. 5468481
APPLICANT: SHARMA, SOMESH D.; CLARK, BRIAN R.; LERCH, BERNARD L.
TITLE OF INVENTION: MHC CLASS II-PEPTIDE CONJUGATES USEFUL
IN AMELIORATING AUTOIMMUNITY
NUMBER OF SEQUENCES: 7
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/869,293
FILING DATE: 14-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 690,840
FILING DATE: 23-APR-1991
APPLICATION NUMBER: 576,084
FILING DATE: 30-AUG-1990
APPLICATION NUMBER: 210,594
FILING DATE: 23-JUN-1988
APPLICATION NUMBER: 635,840
FILING DATE: 28-DEC-1998

APPLICATION NUMBER: 367,751
FILING DATE: 21-JUN-1989
SEQ ID NO: 2
LENGTH: 1350
5468481-2

Query Match
Best Local Similarity 4.5%; Score 15; DB 6; Length 1350;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 49 AGACAGCAAAACGGA 63
|||||
DB 792 AGACAGCAAAACGGA 778

RESULT 14
5194425-2/c
PATENT NO. 5194425
APPLICANT: SHARMA, SOMESH D.; LERCH, L. BERNARD; CLARK, BRIAN R.
TITLE OF INVENTION: MHC-MEDIATED TOXIC CONJUGATES USEFUL IN
AMELIORATING AUTOIMMUNITY
NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/367,751
FILING DATE: 21-JUN-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 210,594
FILING DATE: 23-JUN-1988
SEQ ID NO: 2
LENGTH: 1356
5194425-2

Query Match
Best Local Similarity 4.5%; Score 15; DB 6; Length 1356;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 49 AGACAGCAAAACGGA 63
|||||
DB 797 AGACAGCAAAACGGA 783

RESULT 15
US-08-812-203-4
SEQUENCE 4, APPLICATION US/08812203
PATENT NO. 5958723
GENERAL INFORMATION:
APPLICANT: ABRAMOVITZ, MARK
APPLICANT: BOYE, YVES
APPLICANT: SAWYER, NICOLE
APPLICANT: METTERS, KATHLEEN
APPLICANT: SLIPETZ, DEBORAH
TITLE OF INVENTION: DNA ENCODING PROSTAGLANDIN RECEPTOR DP
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: JOHN W. WALLEY, III
STREET: 126 E. LINCOLN AVE., P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/812,203
FILING DATE: 06-MAR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/378,682
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: WALEN IIT, JOHN W.
REGISTRATION NUMBER: 35,403
REFERENCE/DOCKET NUMBER: MRL 94/185
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3905
TELEX: (908)594-4720
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1488 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-812-203-4

Query Match 4.5%; Score 15; DB 2; Length 1488;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 26 CTGCTGGCGCTGATG 40
|||||
Db 1145 CTGCTGGCGCTGATG 1159

Search completed: May 9, 2002, 04:38:09
Job time: 5211 sec

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GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: May 8, 2002, 23:54:21 ; Search time 61.93 Seconds
(without alignments)
1228.752 Million cell updates/sec

Title: US-09-301-507-74

Perfect score: 336

Sequence: 1 CGCTGCATCTTTCTATGC.....CCCCCTGTGTCACCACCA 336

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued_Patents_NA :
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2: /cgn2_6/prodata/1/lna/5B.COMB.seq.*
3: /cgn2_6/prodata/1/lna/6A.COMB.seq.*
4: /cgn2_6/prodata/1/lna/6B.COMB.seq.*
5: /cgn2_6/prodata/1/lna/PCTUS.COMB.seq.*
6: /cgn2_6/prodata/1/lna/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	29.6	8.8	1162	4	US-08-838-151A-1	Sequence 1, Appl
2	29.6	8.8	1166	4	US-08-838-151A-13	Sequence 13, Appl
3	29.6	8.8	1169	4	US-08-838-151A-3	Sequence 3, Appl
4	29.6	8.8	1169	4	US-08-838-151A-5	Sequence 5, Appl
5	29.6	8.8	1169	4	US-08-838-151A-7	Sequence 7, Appl
6	29.6	8.8	1246	4	US-08-838-151A-15	Sequence 15, Appl
7	29.6	8.8	2602	4	US-08-838-151A-17	Sequence 17, Appl
8	28.4	8.5	7286	5	PCT-US95-11684-1	Sequence 1, Appl
9	28.2	8.4	3416	2	US-08-357-642A-2	Sequence 2, Appl
10	28.2	8.4	3416	2	US-08-460-626-2	Sequence 2, Appl
11	27.8	8.3	49136	4	US-09-422-869-1	Sequence 1, Appl
12	27.2	8.1	940	2	US-08-713-000-3	Sequence 3, Appl
13	27.2	8.1	940	2	US-08-975-316-3	Sequence 3, Appl
14	27.2	8.1	940	2	US-09-211-710-3	Sequence 3, Appl
15	27.2	8.1	1512	3	US-08-911-853-6	Sequence 6, Appl
16	27.2	8.1	1512	3	US-09-479-409-6	Sequence 6, Appl
17	27.2	8.1	1785	2	US-08-975-316-48	Sequence 48, Appl
18	27.2	8.1	17612	3	US-08-911-853-29	Sequence 29, Appl
19	27.2	8.1	17612	3	US-09-479-409-29	Sequence 29, Appl
20	27.2	8.0	17949	4	US-09-087-465-3	Sequence 3, Appl
21	26.4	7.9	1329	1	US-08-278-630A-8	Sequence 8, Appl
22	26.4	7.9	2890	3	US-08-848-810-1	Sequence 1, Appl
23	26.4	7.9	3150	4	US-08-943-768-1	Sequence 1, Appl
24	26.4	7.9	72928	3	US-09-009-913-1	Sequence 1, Appl
25	26.2	7.8	1209	1	US-08-314-309A-5	Sequence 5, Appl
26	26.2	7.8	1513	1	US-08-314-309A-2	Sequence 2, Appl
27	26.2	7.8	1546	1	US-08-314-309A-3	Sequence 3, Appl

28	26.2	7.8	1952	1	US-08-333-358-1	Sequence 1, Appl
29	26.2	7.8	1952	1	US-08-463-694-1	Sequence 1, Appl
30	26.2	7.8	1952	1	US-08-694-501-1	Sequence 1, Appl
31	26.2	7.8	3172	1	US-08-314-309A-1	Sequence 1, Appl
32	26	7.7	2200	2	US-08-819-825-1	Sequence 1, Appl
33	26	7.7	2200	4	US-09-163-642-1	Sequence 4, Appl
34	25.8	7.7	1356	2	US-08-484-126-4	Sequence 4, Appl
35	25.8	7.7	3449	3	US-09-049-672A-16	Sequence 16, Appl
36	25.8	7.7	20084	4	US-08-943-731-5	Sequence 5, Appl
37	25.6	7.6	1088	4	US-09-077-675A-6	Sequence 6, Appl
38	25.6	7.6	1122	4	US-09-077-675A-9	Sequence 9, Appl
39	25.6	7.6	1430	4	US-09-357-251-17	Sequence 8, Appl
40	25.6	7.6	1536	4	US-08-416-544B-8	Sequence 21, Appl
41	25.6	7.6	1875	4	US-09-422-869-21	Sequence 48, Appl
42	25.6	7.6	2115	4	US-08-796-101-48	Sequence 9, Appl
43	25.6	7.6	2303	2	US-08-480-229C-9	Sequence 9, Appl
44	25.6	7.6	2303	2	US-08-659-235C-9	Sequence 28, Appl
45	25.6	7.6	2308	2	US-08-480-229C-28	

ALIGNMENTS

RESULT 1
US-08-838-151A-1
Sequence 1, Application US/08838151A
Patent No. 6291743
GENERAL INFORMATION:
APPLICANT: Stout, John T
APPLICANT: Luu, Hang T
APPLICANT: Maxwell, Douglas
APPLICANT: Ahlquist, Paul
APPLICANT: Hanson, Steve
TITLE OF INVENTION: Transgenic Plants Expressing GeminiVirus
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Dressler, Rocky, Milnamow & Katz
STREET: Two Prudential Plaza, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A
FILING DATE: 800
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mueller, Lisa V
REGISTRATION NUMBER: 38,978
REFERENCE/DOCKET NUMBER: SVS3801P0260
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-616-5400
TELEFAX: 312-616-5400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1162 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Tomato Mottle Gemini Virus
INDIVIDUAL ISOLATE: Florida
FEATURE:
NAME/KEY: CDS

FEATURE:
NAME/KEY: CDS
LOCATION: 44..1127
PUBLICATION INFORMATION:
AUTHORS: Gilbertson, RL et al.
TITLE: Pseudorecombination between the infectious
TITLE: Cloned DNA components of tomato mottle and bean
TITLE: dwarf mosaic geminivirus.
JOURNAL: Journal of General Virology
VOLUME: 74
PAGES: 23-31
DATE: 1993
US-08-838-151A-3

Query Match 8.8%; Score 29.6; DB 4; Length 1169;
Best Local Similarity 63.1%; Pred. No. 0.44;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 205 CGNNTGGCCCTGAGNTTCAGAGGNCCTGTGCTCCCATCGCCTACAGAGGTTCAAGNA 264
DB 660 CGGTCGACGTCGCGCGCCAGAGACCTGTAGATATCATGTCGAGGTGATTCAAGAA 719
QY 265 AAGGG 269
DB 720 CAGGG 724

RESULT 4
US-08-838-151A-5
Sequence 5, Application US/08838151A
Patent No. 6291743
GENERAL INFORMATION:
APPLICANT: Stout, John T
APPLICANT: Luu, Hang T
APPLICANT: Maxwell, Douglas
APPLICANT: Ahlquist, Paul
APPLICANT: Hanson, Steve
TITLE OF INVENTION: Transgenic Plants Expressing Geminivirus
TITLE OF INVENTION: Genes
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Rocky, Milnamow & Katz
STREET: Two Prudential Plaza, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mueller, Lisa V
REGISTRATION NUMBER: 38,978
REFERENCE/DOCKET NUMBER: SVS3801P0260
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-616-5400
TELEFAX: 312-616-5460
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1169 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO

ORIGINAL SOURCE:
ORGANISM: Tomato Mottle Geminl Virus
STRAIN: Florida
FEATURE:
NAME/KEY: CDS
LOCATION: 44..1127
US-08-838-151A-5

Query Match 8.8%; Score 29.6; DB 4; Length 1169;
Best Local Similarity 63.1%; Pred. No. 0.44;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 205 CGNNTGGCCCTGAGNTTCAGAGGNCCTGTGCTCCCATCGCCTACAGAGGTTCAAGNA 264
DB 660 CGGTCGACGTCGCGCGCCAGAGACCTGTAGATATCATGTCGAGGTGATTCAAGAA 719
QY 265 AAGGG 269
DB 720 CAGGG 724

RESULT 5
US-08-838-151A-7
Sequence 7, Application US/08838151A
Patent No. 6291743
GENERAL INFORMATION:
APPLICANT: Stout, John T
APPLICANT: Luu, Hang T
APPLICANT: Maxwell, Douglas
APPLICANT: Ahlquist, Paul
APPLICANT: Hanson, Steve
TITLE OF INVENTION: Transgenic Plants Expressing Geminivirus
TITLE OF INVENTION: Genes
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Rocky, Milnamow & Katz
STREET: Two Prudential Plaza, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mueller, Lisa V
REGISTRATION NUMBER: 38,978
REFERENCE/DOCKET NUMBER: SVS3801P0260
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-616-5400
TELEFAX: 312-616-5460
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1169 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Tomato Mottle Geminl Virus
STRAIN: Florida
FEATURE:
NAME/KEY: CDS
LOCATION: 44..1127

US-08-838-151A-7

Query Match 8.8%; Score 29.6; DB 4; Length 1169;
Best Local Similarity 63.1%; Pred. No. 0.44;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 205 CGNNTGGCCCTGAGNTTCACAGAGGNCCTGCTGCCATCGCCTAGCAGGTTCAAGNA 264
DB 660 CGGTGACGCTGCGCGCCACAGAGACCTGTAGTATCATCTGCGAGGTTGATTCAAGAA 719
QY 265 AAGG 269
DB 720 CAGG 724

RESULT 6
US-08-838-151A-15

Sequence 15, Application US/08838151A
Patent No. 6291743

GENERAL INFORMATION:

APPLICANT: Stout, John T
APPLICANT: Luu, Hang T
APPLICANT: Maxwell, Douglas
APPLICANT: Ahlquist, Paul
APPLICANT: Hanson, Steve
TITLE OF INVENTION: Transgenic Plants Expressing Geminiivirus
TITLE OF INVENTION: Genes
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Rocky, Milanow & Katz
STREET: Two Prudential Plaza, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A

CLASSIFICATION: 800

ATTORNEY/AGENT INFORMATION:

NAME: Mueller, Lisa V

REGISTRATION NUMBER: 38,978

REFERENCE/DOCKET NUMBER: SVS3801P0260

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312-616-5400

TELEFAX: 312-616-5460

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 1246 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Tomato Mottle Geminiivirus

STRAIN: Florida

PUBLICATION INFORMATION:

AUTHORS: Gilbertson, RL

AUTHORS: Hidayat, SH

AUTHORS: Papiomatias, EJ

AUTHORS: Rojas, MR

AUTHORS: Hou, YM

AUTHORS: Maxwell, DP

TITLE: Pseudorecombination between the infectious

cloned DNA components of tomato mottle and bean

TITLE: dwarf mosaic geminiiviruses.
JOURNAL: Journal of General Virology
VOLUME: 74
PAGES: 23-31
DATE: 1993
US-08-838-151A-15

Query Match 8.8%; Score 29.6; DB 4; Length 1246;
Best Local Similarity 63.1%; Pred. No. 0.46;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 205 CGNNTGGCCCTGAGNTTCACAGAGGNCCTGCTGCCATCGCCTAGCAGGTTCAAGNA 264
DB 257 CGGTGACGCTGCGCGCCACAGAGACCTGTAGTATCATCTGCGAGGTTGATTCAAGAA 316
QY 265 AAGG 269
DB 317 CAGG 321

RESULT 7

US-08-838-151A-17/c
Sequence 17, Application US/08838151A
Patent No. 6291743

GENERAL INFORMATION:

APPLICANT: Stout, John T
APPLICANT: Luu, Hang T
APPLICANT: Maxwell, Douglas
APPLICANT: Ahlquist, Paul
APPLICANT: Hanson, Steve
TITLE OF INVENTION: Transgenic Plants Expressing Geminiivirus
TITLE OF INVENTION: Genes
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Rocky, Milanow & Katz
STREET: Two Prudential Plaza, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A

CLASSIFICATION: 800

ATTORNEY/AGENT INFORMATION:

NAME: Mueller, Lisa V

REGISTRATION NUMBER: 38,978

REFERENCE/DOCKET NUMBER: SVS3801P0260

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312-616-5400

TELEFAX: 312-616-5460

INFORMATION FOR SEQ ID NO: 17:

SEQUENCE CHARACTERISTICS:

LENGTH: 2602 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ORIGINAL SOURCE:

ORGANISM: Tomato Mottle Geminiivirus

STRAIN: Florida

US-08-838-151A-17

Query Match 8.8%; Score 29.6; DB 4; Length 2602;
Best Local Similarity 63.1%; Pred. No. 0.63;

APPLICANT: JOSEPH SCHLESSINGER
TITLE OF INVENTION: PYK-2 RELATED PRODUCTS AND
METHODS
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,626
FILING DATE: June 2, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/357,642
FILING DATE: December 15, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 211/121
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 3416
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-460-626-2

Query Match 8.4%; Score 28.2; DB 2; Length 3416;
Best Local Similarity 52.9%; Pred. No. 2.7;
Matches 54; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

OY 114 CTATGTTGATCTATACGCTACCCGCTGTGTACAGTGTAGNCTCAAGAGAAATAGT 173
DB 1152 CTATGAGGTCAAGCCTGTTCTGACGCTCTGCTAGGATGAGGTTTGTATGACAAAGGCT 1093

OY 174 GGGAGTCTCTGTGAGACCTATCTGAATCCCGNNTGGCCCT 215
DB 1092 GGGGGGACCTTCAATGCCCCGCTGAGTACTGCTGGCCCT 1051

RESULT 11
US-09-422-869-1
Sequence 1, Application US/09422869
Patent No. 6235481
GENERAL INFORMATION:
APPLICANT: POLONSKY, KENNETH S.
APPLICANT: HORIKAWA, YUKIO
APPLICANT: ODA, NAOHISA
APPLICANT: COX, NANCY J.
APPLICANT: SREENAN, SEANUS
APPLICANT: ZHOU, YUN-PING
APPLICANT: OTANI, KENICHI
APPLICANT: HANIS, CRAIG L.
APPLICANT: BELL, GRAEME I.
TITLE OF INVENTION: METHODS OF TREATMENT OF TYPE 2 DIABETES
FILE REFERENCE: ARCD:307
CURRENT APPLICATION NUMBER: US/09/422,869
CURRENT FILING DATE: 1999-10-21

EARLIER APPLICATION NUMBER: 60/134,175
EARLIER FILING DATE: 1999-05-13
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patentlin Ver. 2.0
SEQ ID NO 1
LENGTH: 49136
TYPE: DNA
ORGANISM: Human
US-09-422-869-1

Query Match 8.3%; Score 27.8; DB 4; Length 49136;
Best Local Similarity 53.8%; Pred. No. 17;
Matches 50; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

OY 189 GACCTATCTGAATCCCGNNTGGCCCTGAGNTCCAGAGGNCCTGCTGCCATCGCC 248
DB 35030 ggcctccagagctccctccagagccctcgagaccctgtccctgtcgtcgtcggtg 35089

OY 249 TAGCAGGTTCAAGNAAAGGCGCCGNCATGG 281
DB 35090 gtgccagctccctgcgaagggcctgacttg 35122

RESULT 12
US-08-713-000-3/c
Sequence 3, Application US/08713000
Patent No. 5850020
GENERAL INFORMATION:
APPLICANT: Bloksberg, Leonard N.
APPLICANT: Havukala, Ilka
APPLICANT: Grierson, Alastair
TITLE OF INVENTION: MATERIALS AND METHODS FOR THE
MODIFICATION OF PLANT LIGNIN CONTENT
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Speckman Picard PLLC
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentlin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/713,000
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000,1003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0563
TELEFAX: 206-269-0565
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 940 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-713-000-3

Query Match 8.1%; Score 27.2; DB 2; Length 940;
Best Local Similarity 50.5%; Pred. No. 3;
Matches 53; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

OY 232 CTGCTGCCATCGCTAGCAGGTTCAAGNAAAGGCGCCGNCATGAGTCTTTGG 291
DB 35090 gtgccagctccctgcgaagggcctgacttg 35122

Db 196 CTGGTCCGTTATCTGCACGCCGTGTCAGAAAGCGTCCAGCTCTGCGCGACCTTGC 137
 QY 292 NCAGNAGNANGANTTGGNCCCAACCCGCTTGTCCCAACCA 336
 Db 136 TCTGAATGTCCTGCTGCTTCCACAGCTCCGCTATTCCCATTTCA 92

RESULT 13 US-08-975-316-3/C

; Sequence 3, Application US/08975316
 ; Patent No. 5932466

; GENERAL INFORMATION:
 ; APPLICANT: BLOKSBERG, Leonard N., HAVUKKALA, Ilkka
 ; APPLICANT: and GRIERSON, Alastair W.
 ; TITLE OF INVENTION: MATERIALS AND METHODS FOR
 ; TITLE OF INVENTION: THE MODIFICATION OF PLANT LIGNIN CONTENT
 ; NUMBER OF SEQUENCES: 88
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Law Offices of Ann W. Speckman
 ; STREET: 2601 Elliott Avenue, Suite 4185
 ; CITY: Seattle
 ; STATE: WA
 ; COUNTRY: USA
 ; ZIP: 98121

; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FASTSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/975,316
 ; FILING DATE:
 ; CLASSIFICATION: 800

; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/713,000
 ; FILING DATE: September 11, 1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: SLEATH, Janet
 ; REGISTRATION NUMBER: 37,007
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 206-269-0565
 ; TELEFAX: 206-269-0563

; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 940 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear

US-08-975-316-3

Query Match 8.1%; Score 27.2; DB 2; Length 940;
 Best Local Similarity 50.5%; Pred. No. 3;
 Matches 53; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

QY 232 CTGGTCCGTTATCTGCACGCCGTGTCAGAAAGCGCTCCAGCTCTGCGCGACCTTGC 291
 Db 196 CTGGTCCGTTATCTGCACGCCGTGTCAGAAAGCGCTCCAGCTCTGCGCGACCTTGC 137
 QY 292 NCAGNAGNANGANTTGGNCCCAACCCGCTTGTCCCAACCA 336
 Db 136 TCTGAATGTCCTGCTGCTTCCACAGCTCCGCTATTCCCATTTCA 92

RESULT 14

; Sequence 3, Application US/09211710A
 ; Patent No. 6204434

; GENERAL INFORMATION:
 ; APPLICANT: Bloksberg, Leonard N.
 ; APPLICANT: Havukkala, Ilkka

; APPLICANT: Grierson, Alastair
 ; TITLE OF INVENTION: Materials and Methods for the
 ; TITLE OF INVENTION: Modification of Plant Lignin Content
 ; FILE REFERENCE: 11000.1003c3
 ; CURRENT APPLICATION NUMBER: US/09/211,710A
 ; CURRENT FILING DATE: 1998-12-14
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 3
 ; LENGTH: 940
 ; TYPE: DNA
 ; ORGANISM: Pinus radiata
 ; FEATURE:
 ; NAME/KEY: unsure
 ; LOCATION: (463)...(463)
 ; US-09-211-710-3

Query Match 8.1%; Score 27.2; DB 4; Length 940;
 Best Local Similarity 50.5%; Pred. No. 3;
 Matches 53; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

QY 232 CTGGTCCGTTATCTGCACGCCGTGTCAGAAAGCGCTCCAGCTCTGCGCGACCTTGC 291
 Db 196 CTGGTCCGTTATCTGCACGCCGTGTCAGAAAGCGCTCCAGCTCTGCGCGACCTTGC 137
 QY 292 NCAGNAGNANGANTTGGNCCCAACCCGCTTGTCCCAACCA 336
 Db 136 TCTGAATGTCCTGCTGCTTCCACAGCTCCGCTATTCCCATTTCA 92

RESULT 15

; Sequence 6, Application US/08911853
 ; Patent No. 6048710

; GENERAL INFORMATION:
 ; APPLICANT: Gerltse, Gijshert
 ; APPLICANT: Quax, Wilhelmus J.
 ; TITLE OF INVENTION: EXPRESSION SYSTEM FOR ALTERED
 ; TITLE OF INVENTION: EXPRESSION LEVELS
 ; NUMBER OF SEQUENCES: 37
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genencor International
 ; STREET: 925 Page Mill Road
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA

; ZIP: 94304-1013
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FASTSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/911,853
 ; FILING DATE:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/699,092
 ; FILING DATE: 16-AUG-1996

; ATTORNEY/AGENT INFORMATION:
 ; NAME: Glaister, Debra J
 ; REGISTRATION NUMBER: 33,888
 ; REFERENCE/DOCKET NUMBER: GC361-2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650-846-7620
 ; TELEFAX: 650-846-6504

; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1512 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear

US-08-911-853-6

Thu May 9 08:36:11 2002

us-09-301-507-74_1.rml

Query Match 8.1%; Score 27.2; DB 3; Length 1512;
Best Local Similarity 60.3%; Pred. No. 3.9; Mismatches 27; Indels 0; Gaps 0;
Matches 41; Conservative 0; Mismatches 27; Indels 0; Gaps 0;
OY 173 TGGAGCTTCTGTGAGACCTATCTGAATCCCGGNNNTGGCCCTGAGNTTCCAGAGGNC 232
DB 896 TGAAGGCATCGCCAGACCCAGSTCAACCCGGGTGAGACATGACCTTCGCCCGCGGCC 955
OY 233 TGGTCGTC 240
DB 956 TGGCGGCC 963

Search completed: May 9, 2002, 03:25:11
Job time: 12650 sec